

EXHIBIT E

**Form PTO-1449 (Substitute) U.S. Department of Commerce
Patent and Trademark Office****INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)**

Application Number	10/759,841
Filing Date	January 15, 2004
First Named Inventor	Michael Wayne Graham and Robert Norman Rice
Art Unit	1635
Examiner Name	Whiteman, Brian A.
Attorney Docket No.	0687/74768-AA- JPW/GJG/JRM

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.¹	Document Number Number-Kind Code² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	1	5,631,148	05-20-1997	Michael S. Urdea
	2	5,631,148 (redacted version)	05-20-1997	Michael S. Urdea

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.¹	Foreign Patent Document Country Code³ Number⁴ Kind Code⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T⁶
	3	WO 97/11170 A1	03-27-1997	Worcester Foundation for Biomedical Research	
	4	WO 97/11170 A1 (redacted version)	03-27-1997	Worcester Foundation for Biomedical Research	

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Applicants : Michael Wayne Graham and
Robert Norman Rice
U.S. Serial No. : 10/759,841
Filed : January 15, 2004

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	5	Agrawal, S. (1996) "Antisense oligonucleotides: towards clinical trials," Trends Biotechnol. 14(10):376-87	
	6	Akgün, E., et al. (1997) "Palindrome resolution and recombination in the mammalian germ line," Mol. Cell. Biol. 17(9):5559-70	
	7	Akhtar, S., and Rossi, J.J. (1996) "Anti-HIV therapy with antisense oligonucleotides and ribozymes: realistic approaches or expensive myths?" J. Antimicrob. Chemother. 38(2):159-65	
	8	Bahner, I. et al. (1996) "Transduction of human CD34+ hematopoietic progenitor cells by a retroviral vector expressing an RRE decoy inhibits human immunodeficiency virus type 1 replication in myelomonocytic cells produced in long-term culture," J. Virol. 70(7):4352-60	
	9	Barbeau, B., et al. (1996) "Characterization of the human and mouse Fli-1 promoter regions," Biochim. Biophys. Acta 1307(2):220-32	
	10	Baum, E.Z., and Ernst, V.G. (1983) "Inhibition of protein synthesis in reticulocyte lysates by a double-stranded RNA component in HeLa mRNA," Biochem. Biophys. Res. Commun. 114(1):41-9	
	11	Bigler, J., and Eisenman, R.N. (1995) "Novel location and function of a thyroid hormone response element," EMBO J. 14(22):5710-23	
	12	Bisat, F., et al. (1988) "Differential and cell type specific expression of murine alpha-interferon genes is regulated on the transcriptional level," Nucl. Acids Res. 16(13):6067-83	
	13	Branch, A.D. (1998) "A good antisense molecule is hard to find," Trends Biochem. Sci. 23(2):45-50	
	14	Brown, D.T., and Sittman, D.B. (1993) "Identification through overexpression and tagging of the variant type of the mouse H1e and H1c genes," J. Biol. Chem. 268(1):713-8	
	15	Brummelkamp, R. et al. (2002) "A System for Stable Expression of Short Interfering RNAs in Mammalian Cells" Science Vol. 296:550-553	
	16	Buchan, K.W., et al. (1994) "Characterization of three non-peptide endothelin receptor ligands using human cloned ETA and ETB receptors," Br. J. Pharmacol. 112(4):1251-7	

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	17	Chernajovsky, Y., et al. (1996) "Human kinesin light (beta) chain gene: DNA sequence and functional characterization of its promoter and first exon," DNA Cell Biol. 15(11):965-74	
	18	Christy, R.J., and Huang, R.C. (1988) "Functional analysis of the long terminal repeats of intracisternal A-particle genes: sequences within the U3 region determine both the efficiency and direction of promoter activity," Mol. Cell. Biol. 8(3):1093-102	
	19	Clusel, C., et al. (1993) "Ex vivo regulation of specific gene expression by nanomolar concentration of double-stranded dumbbell oligonucleotides," Nucleic Acids Res. 21(15):3405-11	
	20	Clusel, C., et al. (1995) "Inhibition of HSV-1 proliferation by decoy phosphodiester ligonucleotides containing ICP4 recognition sequences," Gene Expr. 4(6):301-9	
	21	DeCoy, D.L., et al. (1995) "Anti sense DNA down-regulates proteins kinase C-epsilon and enhances vasopressin-stimulated Na ⁺ absorption in rabbit cortical collecting duct" J. Clin. Invest. 95(6):2749-56	
	22	Dobrikova, E.Y., et al. (1996) "T7 DNA-dependent RNA polymerase can transcribe RNA from tick-borne encephalitis virus (TBEV) cDNA with SP6 promoter," FEBS Lett. 382(3):327-9	
	23	Dolnick, B.J. (1997) "Naturally occurring antisense RNA," Pharmacol. Ther. 75(3):179-84	
	24	Dougherty, W.G., et al. (1997) "Transgene and Gene Suppression: telling us something new?" Current Opinion in Cell Biology, Current Biology, UK, 7:399-405	
	25	Dronkert, M.L. (2000) "Mouse RAD54 affects DNA double-strand break repair and sister chromatid exchange," Mol. Cell. Biol. 20(9):3147-56	
	26	Elroy-Stein, O., and Moss, B. (1990) "Cytoplasmic expression system based on constitutive synthesis of bacteriophage T7 RNA polymerase in mammalian cells," Proc. Natl. Acad. Sci. U.S.A. 87(17):6743-7	
	27	Escudé, C., et al. (1996) "Stable triple helices formed by oligonucleotide N3'-->P5' phosphoramidates inhibit transcription elongation," Proc. Natl. Acad. Sci. U.S.A. 93(9):4365-9	
	28	Faruqi, T.R., and DiCorleto, P.E. (1997) "IFN-gamma inhibits double-stranded RNA-induced E-selectin expression in human endothelial cells," J. Immunol. 159(8):3989-94	

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	29	Fiaschi, T., et al. (1997) "The 5'-untranslated region of the human muscle acylphosphatase mRNA has an inhibitory effect on protein expression," FEBS Lett. 417(1):130-4	
	30	Finkler, A., et al. (1992) "Immunity and resistance to the KP6 toxin of Ustilago maydis," Mol. Gen. Genet. 233(3):395-403.	
	31	Fuerst, T.R., et al. (1986) "Eukaryotic transient-expression system based on recombinant vaccinia virus that synthesizes bacteriophage T7 RNA polymerase," Proc. Natl. Acad. Sci. U.S.A. 83(21):8122-6	
	32	Gao, L., et al. (1997) "Human genes encoding U3 snRNA associate with coiled bodies in interphase cells and are clustered on chromosome 17p11.2 in a complex inverted repeat structure," Nucleic Acids Res. 25(23):4740-7	
	33	Gessani, S., et al. (1989) "Activators of protein kinase C enhance accumulation of interferon-beta mRNA in murine cell lines," J. Interferon Res. 9(5):543-50	
	34	Gimmi, E.R., et al. (1989) "Alterations in the pre-mRNA topology of the bovine growth hormone polyadenylation region decrease poly(A) site efficiency," Nucleic Acids Res. 17(17):6983-98	
	35	Giovannangeli, C., et al. (1997) "Accessibility of nuclear DNA to triplex-forming oligonucleotides: the integrated HIV-1 provirus as a target," Proc. Natl. Acad. Sci. U.S.A. 94(1):79-84	
	36	Gitlin, L., et al. (2005) "Poliovirus escape from RNA interference: short interfering RNA-target recognition and implications for therapeutic approaches," J. Virol. 79:1027-1035	
	37	Graham, G.J., and Maio, J.J. (1992) "A rapid and reliable method to create tandem arrays of short DNA sequences," Biotechniques 13(5):780-9	
	38	Groger, R.K., et al. (1989) "Directional antisense and sense cDNA cloning using Epstein-Barr virus episomal expression vectors," Gene 81(2):285-94	
	39	Hacker, A., et al. (1995) "Expression of Sry, the mouse sex determining gene," Development 121(6):1603-14	
	40	Haines, D.S., et al. (1991) "Cellular response to double-stranded RNA," J. Cell. Biochem. 46(1):9-20	

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	41	Harbinder, S., et al. (1997) "Genetically targeted cell disruption in Caenorhabditis elegans," Proc. Natl. Acad. Sci. U.S.A. 94(24):13128-33	
	42	Harcourt, B.H., et al. (1998) "Ebola virus inhibits induction of genes by double-stranded RNA in endothelial cells," Virology 252(1):179-88	
	43	Henderson, S.T., and Petes, T.D. (1993) "Instability of a plasmid-borne inverted repeat in Saccharomyces cerevisiae," Genetics 134(1):57-62	
	44	Harfe, B.D., et al. (1998) "Analysis of a Caenorhabditis elegans Twist homolog identifies conserved and divergent aspects of mesodermal patterning," Genes Dev. 12(16):2623-35	
	45	Hirashima, A., et al. (1989) "Artificial immune system against viral infection involving antisense RNA targeted to the 5'-terminal noncoding region of coliphage SP RNA," J. Biochem. 106(1):163-6	
	46	Hirashima, A., et al. (1986) "Engineering of the mRNA-interfering complementary RNA immune system against viral infection," Proc. Natl. Acad. Sci. U.S.A. 83(20):7726-30	
	47	Imazeki, F., et al. (1988) "Integrated structures of duck hepatitis B virus DNA in hepatocellular carcinoma," J. Virol. 62(3):861-5	
	48	Kennerdell, Jason (2000) "Heritable Gene Silencing in Drosophila Using Double-Stranded RNA" Nature Biotechnology, 18:896-898	
	49	Klauff, P., et al. (1996) "RNA structure and the regulation of gene expression," Plant Mol. Biol. 32(1-2):89-106	
	50	Krystal, G.W., et al. (1990) "N-myc mRNA forms an RNA-RNA duplex with endogenous antisense transcripts," Mol. Cell. Biol. 10(8):4180-91	
	51	Lee, R.C., et al. (1993) "The C. elegans Heterochronic Gene lin-4 Encodes Small RNAs with Antisense Complementarity to lin-14" Cell 75: 843-854	
	52	Lee, S.W., et al. (1996) "The hemagglutinin genes hagB and hagC of Porphyromonas gingivalis are transcribed in vivo as shown by use of a new expression vector," Infect. Immun. 64(11):4802-10	

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	53	Macé, K., and Gazzolo, L. (1991) "Interferon-regulated viral replication in chronically HIV1-infected promonocytic U937 cells" Res Virol. 42(2-3):213-20	
	54	Matthieu, J.M., et al. (1992) "Myelin-deficient mutant mice. An in vivo model for inhibition of gene expression by natural antisense RNA" Ann. N.Y. Acad. Sci. 660:188-92	
	55	Mayne, L.V., et al. (1988) "SV 40-transformed normal and DNA-repair-deficient human fibroblasts can be transfected with high frequency but retain only limited amounts of integrated DNA" Gene 66(1):65-76	
	56	McCormack, S.J., et al. (1992) "Mechanism of interferon action: identification of a RNA binding domain within the N-terminal region of the human RNA-dependent P1/eIF-2 alpha protein kinase," Virol. 188(1):47-56	
	57	McNair, A.N., et al. (1994) "Hepatitis delta virus replication in vitro is not affected by interferon-alpha or -gamma despite intact cellular responses to interferon and dsRNA," J. Gen. Virol. 75(Pt. 6):1371-8	
	58	Mercola, D., and Cohen, J.S. (1995) "Antisense approaches to cancer gene therapy," Cancer Gene Ther. 2(1):47-59	
	59	Mette, M.F., et al. (2000) "Transcriptional silencing and promoter methylation triggered by double-stranded RNA," EMBO J. 19(19):5194-201	
	60	Mikoshiba, K., et al. (1990) "Chimeric and molecular genetic analysis of myelin-deficient (shiverer and mld) mutant mice," Ann. N.Y. Acad. Sci. 605:166-82	
	61	Morishita, R., et al. (1996) "Role of transcriptional cis-elements, angiotensinogen gene-activating elements, of angiotensinogen gene in blood pressure regulation," Hypertension 27(3 Pt. 2):502-7	
	62	Morris, K.V., et al. (2004) "Small interfering RNA-induced transcriptional gene silencing in human cells," Science 305(5688):1289-92	
	63	Nagy, E., Rigby, W.F. (1995) "Glyceraldehyde-3-phosphate dehydrogenase selectively binds AU-rich RNA in the NAD(+)-binding region (Rossmann fold)," J. Biol. Chem. 270(6):2755-63	
	64	Noguchi, M., et al. (1994) "Characterization of an antisense Inr element in the eIF-2 alpha gene," J. Biol. Chem. 269(46):29161-7	

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	65	Palmiter, R.D., et al. (1984) "Transmission distortion and mosaicism in an unusual transgenic mouse pedigree," Cell 36(4):869-77	
	66	Pe'ery, T., and Mathews, M.B. (1997) "Synthesis and purification of single-stranded RNA for use in experiments with PKR and in cell-free translation systems," Methods 11(4):371-81	
	67	Pratt, G., et al. (1988) "Regulation of in vitro translation by double-stranded RNA in mammalian cell mRNA preparations," Nucleic Acids Res. 16(8):3497-510	
	68	Raponi, M., and Arndt, G.M. (2003) "Double-stranded RNA-mediated gene silencing in fission yeast," Nucleic Acids Res. 31(15):4481-9	
	69	Ratcliff, F., et al. (1997) "A Similarity Between Viral Defense and Gene Silencing in Plants," Science 276(5318):1558-1560	
	70	Resnekov, O., et al. (1989) "RNA secondary structure is an integral part of the in vitro mechanism of attenuation in simian virus 40," J. Biol. Chem. 264(17):9953-9	
	71	Reuben, M., et al. (1994) "Cloning and expression of the rabbit gastric CCK-A receptor," Biochim. Biophys. Acta 1219(2):321-7	
	72	Robertson, G., et al. (1996) "Age-dependent silencing of globin transgenes in the mouse," Nucleic Acids Res. 24(8):1465-71	
	73	Rocheleau, C.E., et al. (1997) "Wnt signaling and an APC-related gene specify endoderm in early C. elegans embryos," Cell 90(4):707-16	
	74	Rodriguez, D., et al. (1990) "Regulated expression of nuclear genes by T3 RNA polymerase and lac repressor, using recombinant vaccinia virus vectors," J. Virol. 64(10):4851-7	
	75	Roy, P., et al. (1990) "Effect of mRNA secondary structure on the efficiency of translational initiation by eukaryotic ribosomes," Eur. J. Biochem. 191(3):647-52	
	76	Ruskin, B., and Fink, G.R. (1993) "Mutations in POL1 increase the mitotic instability of tandem inverted repeats in Saccharomyces cerevisiae," Genetics 134(1):43-56	

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	77	Sabl, J.F., and Henikoff, S. (1996) "Copy number and orientation determine the susceptibility of a gene to silencing by nearby heterochromatin in Drosophila," Genetics 142(2):447-58	
	78	Schmitt, H.P., et al. (1986) "Characterization of cloned sequences complementary to F9 cell double-stranded RNA and their expression during differentiation," Differentiation 30(3):205-10	
	79	Sharp, Phillip (1999) "RNAi and Double-Stranded RNA" Genes and Development 13(2):139-141	
	80	Silverman, T.A., et al. (1992) "Role of sequences within the first intron in the regulation of expression of eukaryotic initiation factor 2 alpha," J. Biol. Chem. 267(14):9738-42	
	81	Simons, R.W. (1988) "Naturally occurring antisense RNA control-a brief review," Gene 2(1-2):35-44	
	82	Smolinski, P.A. (1995) "Double-stranded RNA induces sickle erythrocyte adherence to endothelium: a potential role for viral infection in vaso-occlusive pain episodes in sickle cell anemia," Blood 85(10):2945-50	
	83	Smythe, J.A., and Symonds, G. (1995) "Gene therapeutic agents: the use of ribozymes, antisense, and RNA decoys for HIV-1 infection," Inflamm. Res. 44(1):11-5	
	84	Sonoda, K., et al. (1996) "Asymmetric deletion of the junction between the short unique region and the inverted repeat does not affect viral growth in culture and vaccine-induced immunity against Marek's disease," Vaccine 14(4):277-84	
	85	Sullenger et al. (1990) "Overexpression of TAR sequences rendered cells resistant to human immunodeficiency virus replication" Cell 63:601-608	
	86	Sun, L.Q., et al. (1994) "Ribozyme-mediated suppression of Moloney murine leukemia virus and human immunodeficiency virus type I replication in permissive cell lines," Proc. Natl. Acad. Sci. U.S.A. 91(21):9715-9	
	87	Sweetser, D.A., et al. (1988) "Transgenic mice containing intestinal fatty acid-binding protein-human growth hormone fusion genes exhibit correct regional and cell-specific expression of the reporter gene in their small intestine," Proc. Natl. Acad. Sci. U.S.A. 85(24):9611-5	
	88	Symington, L.S. (2002) "Role of RAD52 epistasis group genes in homologous recombination and double-strand break repair," Microbiol. Mol. Biol. Rev. 66(4):630-70	

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	89	Tanaka, H., et al. (1994) "Sequence-specific interaction of alpha-beta-anomeric double-stranded DNA with the p50 subunit of NF kappa B: application to the decoy approach," Nucleic Acids Res. 22(15):3069-74	
	90	Tavernarakis, N. et al. (2000) "Heritable and inducible genetic interference by double-stranded RNA encoded by transgenes" Nature Genetics 24:180-183	
	91	Timmons, L. (1998) "Specific Interference by Ingested dsRNA" Nature, Vol. 395:854	
	92	Tosic, M., et al. (1990) "Post-transcriptional events are responsible for low expression of myelin basic protein in myelin deficient mice: role of natural antisense RNA," EMBO J. 9(2):401-6	
	93	Usdin, T.B., et al. (1993) "SP6 RNA polymerase containing vaccinia virus for rapid expression of cloned genes in tissue culture," Biotechniques 14(2):222-4	
	94	Van Steeg, H., et al. (1991) "The translation in vitro of rat ornithine decarboxylase mRNA is blocked by its 5' untranslated region in a polyamine-independent way," Biochem J. 274 (Pt. 2):521-6	
	95	Volloch, V.Z., et al. (1994) "Evolutionarily conserved elements in the 5' untranslated region of beta globin mRNA mediate site-specific priming of a unique hairpin structure during cDNA synthesis," Nucleic Acids Res. 22(24):5302-9	
	96	Wang, Z.Q., et al. (1994) "An unusual nucleoporin-related messenger ribonucleic acid is present in the germ cells of rat testis," Biol. Reprod. 51(5):1022-30	
	97	Waterhouse, P.M., et al. (1998) "Virus resistance and gene silencing in plants can be induced by simultaneous expression of sense and antisense RNA," <i>Proc. Natl. Acad. Sci. U.S.A.</i> 95(23):13959-64	
	98	Williams, T., and Fried, M. (1986) "A mouse locus at which transcription from both DNA strands produces mRNAs complementary at their 3' ends," Nature 322(6076):275-9	
	99	Wolffe, A.P. (1997) "Transcription control: repressed repeats express themselves," Curr Biol. 7(12):R796-8	
	100	Wu, C., et al. (1994) "Interferon-stimulated response element and NF kappa B sites cooperate to regulate double-stranded RNA-induced transcription of the IP-10 gene," J. Interferon Res. 14(6):357-63	

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Form PTO-1449 (Substitute) U.S. Department of Commerce Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	Application Number	10/759,841
	Filing Date	January 15, 2004
	First Named Inventor	Michael Wayne Graham and Robert Norman Rice
	Art Unit	1635
	Examiner Name	Whiteman, Brian A.
	Attorney Docket No.	0687/74768-AA- JPW/GJG/JRM

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	101	Wu, S., and Kaufman, R.J. (1996) "Double-stranded (ds) RNA binding and not dimerization correlates with the activation of the dsRNA-dependent protein kinase (PKR)," J. Biol. Chem. 271(3):1756-63	
	102	Yarney, T.A., et al. (1993) "Molecular cloning and expression of the ovine testicular follicle stimulating hormone receptor," Mol. Cell. Endocrinol. 93(2):219-26	
	103	Xiong, Y., et al. (1995) "Signaling properties of mouse and human corticotropin-releasing factor (CRF) receptors: decreased coupling efficiency of human type II CRF receptor," Endocrinology 136(5):1828-34	
	104	Yamamoto, T., et al. (2002) "Double-stranded nef RNA interferes with human immunodeficiency virus type 1 replication," Microbio. Immunol. 46:809-817	
	105	Yu, M., et al. (1994) "Progress towards gene therapy for HIV infection," Gene Ther. 1(1):13-26	
	106	Zakharian, R.A., et al. (1986) "[Stimulation by double-stranded RNA of the transformation of pro- and eukaryotic cells]," Dokl. Akad. Nauk. SSSR 288(5):1251-3	
	107	Jin, Z., et al. (1991) "Expression of firefly luciferase gene in Xenopus laevis oocyte," Chin. J. Biotechnol. 7(4):279-84	
	108	"Table describing sequences used to inhibit viral replication" as Annex A of Statement setting out the Grounds of Appeal dated November 11, 2005, filed in EP 99 910 039.9	
	109	"Table of animal viruses inactivated by RNAi, footnotes for individual viruses are provided" as Annex B of Statement setting out the Grounds of Appeal dated November 11, 2005, filed in EP 99 910 039.9	
	110	"References" as Annex C of Statement setting out the Grounds of Appeal dated November 11, 2005, filed in EP 99 910 039.9	
	111	"Summary of the Construction of pAM320" as Annex D of Statement setting out the Grounds of Appeal dated November 11, 2005, filed in EP 99 910 039.9	
	112	Tabara, H., et al. (1998) "RNAi in C. elegans: Soaking in the Genome Sequence," Science 282(5388):430-431	

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